

WHAT IS CLAIMED IS:

*1. A light weight golf ball comprising a core and
a cover covering the core, wherein
the cover has a flexural modulus (F) of 200 to
600 MPa,*

*the golf ball has a specific gravity of not less
than 0.50 and less than 1.00, and a deformation amount (D)
of 3.1 to 5.0 mm when applying from an initial load of 98 N
to a final load of 1275 N, and
a ratio (F/D) of the flexural modulus of the
cover (F) to the deformation amount of the golf ball (D) is
within the range of more than 50 and not more than 125.*

*2. The golf ball according to Claim 1, wherein
the core has a deformation amount of 4.1 to 5.5 mm when
applying from an initial load of 98 N to a final load of
1275 N.*

*3. The golf ball according to Claim 1, wherein
the cover has a flexural modulus (F) of 300 to 500 MPa.*

*4. The golf ball according to Claim 1, wherein
the ratio (F/D) is within the range of 55 to 120.*